



BIOS Update Release Notes

PRODUCTS: DH61BE, DH61CR, DH61DL, DH61WW, DH61SA, DH61ZE (Standard BIOS)

BIOS Version 0099 - BEH6110H.86A.0099.2012.1205.1819

About This Release:

- Date: December 5, 2012
- ME Firmware: Ignition SKU 7.1.52.1176, 8.0.13.1502
- Integrated Graphics Option ROM: Build 2132 PC 14.34(DH61BE, DH61CR, DH61WW, DH61SA)
- Integrated Graphics Option ROM: Build 2132 PC 14.34(DH61DL)
- Integrated Graphics Option ROM: Build 2132 PC 14.34(DH61ZE)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.4.03 PXE 2.1 Build 091

New Fixes/Features:

- Transition BIOS to add support for Microsoft Windows 8*.

BIOS version 0099 adds support for Microsoft Windows 8*. Due to structural changes in this BIOS version, once a board has been converted to this version or later, it will no longer be possible to downgrade the BIOS to version 0048 or earlier. Attempting a BIOS downgrade to a previous version may fail - the board BIOS will remain at its current version.

If your system's current BIOS version is 0037 or earlier, you must first update to version 0048 before updating to 0099.

BIOS Version 0048 - BEH6110H.86A.0048.2012.1105.1520

About This Release:

- Date: November 5, 2012
- ME Firmware: Ignition SKU 7.1.52.1176, 8.0.13.1502
- Integrated Graphics Option ROM: Build 2137 PC 14.34
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.4.03 PXE 2.1 Build 091

Warning:

BIOS version 0041 includes support for 3rd Generation Intel® Core™ processors. Due to structural changes in this BIOS version, once a board has been converted to this version or later, it will no longer be possible to downgrade the BIOS to version 0035 or earlier. Attempting a BIOS downgrade to a previous version may fail - the board BIOS will remain at its current version.

To fully enable support for these processors, follow the special BIOS update steps at [Updating the BIOS on 6 Series chipset desktop boards.](#)

New Fixes/Features:

- Fixed issue where processor temperature is incorrect in BIOS setup.

BIOS Version 0046 - BEH6110H.86A.0046.2012.0829.1445

About This Release:

- Date: August 29, 2012
- ME Firmware: Ignition SKU 7.1.52.1176, 8.0.13.1502
- Integrated Graphics Option ROM: Build 2132 PC 14.34(DH61BE, DH61CR, DH61WW, DH61SA)
- Integrated Graphics Option ROM: Build 2132 PC 14.34(DH61DL)
- Integrated Graphics Option ROM: Build 2132 PC 14.34(DH61ZE)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.81 PXE 2.1 Build 091

Warning:

BIOS version 0041 includes support for 3rd Generation Intel® Core™ processors. Due to structural changes in this BIOS version, once a board has been converted to this version or later, it will no longer be possible to downgrade the BIOS to version 0035 or earlier. Attempting a BIOS downgrade to a previous version may fail - the board BIOS will remain at its current version.

To fully enable support for these processors, follow the special BIOS update steps at [Updating the BIOS on 6 Series chipset desktop boards.](#)

New Fixes/Features:

- Fixed issue with error message when an i5-2500K processor is installed.
- Fixed issue where system hangs at POST code EB when hard disk attached to certain PCIe x1 RAID card is configured as JBOD or RAID 0/1/.
- Fixed issue where certain RAID card on PCIe x16 slot fails to enter card option ROM in UEFI mode.

BIOS Version 0045 - BEH6110H.86A.0045.2012.0711.1948

About This Release:

- Date: July 11, 2012
- ME Firmware: Ignition SKU 7.1.52.1176, 8.0.13.1502
- Integrated Graphics Option ROM: Build 2132 PC 14.34(DH61BE, DH61CR, DH61WW, DH61SA)
- Integrated Graphics Option ROM: Build 2132 PC 14.34(DH61DL)
- Integrated Graphics Option ROM: Build 2132 PC 14.34(DH61ZE)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.81 PXE 2.1 Build 091

Warning:

BIOS version 0041 includes support for 3rd Generation Intel® Core™ processors. Due to structural changes in this BIOS version, once a board has been converted to this version or later, it will no longer be possible to downgrade the BIOS to version 0035 or earlier. Attempting a

BIOS downgrade to a previous version may fail - the board BIOS will remain at its current version.

To fully enable support for these processors, follow the special BIOS update steps at [Updating the BIOS on 6 Series chipset desktop boards.](#)

New Fixes/Features:

- Updated Intel® ME 8 firmware version to 8.0.13.1502.
- Updated Intel® ME 7 firmware version to 7.1.52.1176.
- Updated processor support.
- Updated processor warning messaging.
- Updated the active value column of memory voltage to follow the proposed memory voltage value on the Performance page.

BIOS Version 0044 - BEH6110H.86A.0044.2012.0531.1710

About This Release:

- Date: May 31, 2012
- ME Firmware: Ignition SKU 7.1.40.1161, 8.0.4.1441
- Integrated Graphics Option ROM: Build 2132 PC 14.34(DH61BE, DH61CR, DH61WW, DH61SA)
- Integrated Graphics Option ROM: Build 2132 PC 14.34(DH61DL)
- Integrated Graphics Option ROM: Build 2132 PC 14.34(DH61ZE)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.81 PXE 2.1 Build 091

Warning:

BIOS version 0041 includes support for 3rd Generation Intel® Core™ processors. Due to structural changes in this BIOS version, once a board has been converted to this version or later, it will no longer be possible to downgrade the BIOS to version 0035 or earlier. Attempting a BIOS downgrade to a previous version may fail - the board BIOS will remain at its current version.

To fully enable support for these processors, follow the special BIOS update steps at [Updating the BIOS on 6 Series chipset desktop boards.](#)

New Fixes/Features:

- Fixed blue screen error when resuming from sleep mode when using Marvell* SATA port.
- Updated Intel® ME 8 firmware version to 8.0.4.1441.
- Updated Intel® ME 7 firmware version to 7.1.40.1161.
- Update VBIOS to version 2132.
- Updated processor support.
- Fixed issue where PCI recovery card does not work.
- Fixed turbo boost and memory timing frequency issues.
- Added Dolby* function.

BIOS Version 0042 - BEH6110H.86A.0042.2012.0327.2202

About This Release:

- Date: March 27, 2012
- ME Firmware: Ignition SKU 7.1.30.1142, 8.0.0.1294

*Other names and brands may be claimed as the property of others.

- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61BE, DH61CR, DH61WW, DH61SA)
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61DL)
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61ZE)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.81 PXE 2.1 Build 091

Warning:

BIOS version 0041 includes support for 3rd Generation Intel® Core™ processors. Due to structural changes in this BIOS version, once a board has been converted to this version or later, it will no longer be possible to downgrade the BIOS to version 0035 or earlier. Attempting a BIOS downgrade to a previous version may fail - the board BIOS will remain at its current version.

To fully enable support for these processors, follow the special BIOS update steps at [Updating the BIOS on 6 Series chipset desktop boards.](#)

New Fixes/Features:

- Fixed issue where system hangs at POST code 50 when wireless LAN card is reset by power bottom.

BIOS Version 0041 - BEH6110H.86A.0041.2012.0319.1659

About This Release:

- Date: March 19, 2012
- ME Firmware: Ignition SKU 7.1.30.1142, 8.0.0.1294
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61BE, DH61CR, DH61WW, DH61SA)
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61DL)
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61ZE)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.81 PXE 2.1 Build 091

Warning:

BIOS version 0041 includes support for 3rd Generation Intel® Core™ processors. Due to structural changes in this BIOS version, once a board has been converted to this version or later, it will no longer be possible to downgrade the BIOS to version 0035 or earlier. Attempting a BIOS downgrade to a previous version may fail - the board BIOS will remain at its current version.

To fully enable support for these processors, follow the special BIOS update steps at [Updating the BIOS on 6 Series chipset desktop boards.](#)

New Fixes/Features:

- Fixed issue where integrated LAN shows an error in Device Manager* when certain graphics card is installed.
- Fixed issue where dual channel memory mode is not detected properly.
- Fixed issue with DIMM module compatibility that causes an operating system installation issue.

*Other names and brands may be claimed as the property of others.

- Fixed issue where system does not boot when "Memory Configuration" is set to "Manual - User Defined".
- Updated processor support.
- Updated LAN option ROM to version 1381.
- Added DDR3 low voltage DIMM module support.
- Disabled Keyboard not found event logging.
- Added support for Intel power supervisor.
- Updated Intel® ME firmware to versions 7.1.30.1142 and 8.0.0.1294.
- Removed the fix for system hang with blue screen error when resuming from Sleep Mode on Marvell* SATA port (originally added in BIOS version 0035).

BIOS Version 0035 - BEH6110H.86A.0035.2012.0112.2206

About This Release:

- Date: January 12, 2012
- ME Firmware: Ignition SKU 7.1.20.1119
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61BE, DH61CR, DH61WW, DH61SA)
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61DL)
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61ZE)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65 PXE 2.1 Build 089

New Fixes/Features:

- Fixed issue where system hangs with blue screen error when resuming from Sleep Mode on Marvell* SATA port.

BIOS Version 0034 - BEH6110H.86A.0034.2011.1018.1937

About This Release:

- Date: October 18, 2011
- ME Firmware: Ignition SKU 7.1.20.1119
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61BE, DH61CR, DH61WW, DH61SA)
- Integrated Graphics Option ROM: Build 2119 PC 14.34(DH61DL)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65 PXE 2.1 Build 089

New Fixes/Features:

- Updated processor support.
- Fixed issue where BIOS system fails after updating to BIOS version 0032 on DH61DL.
- Fixed issue with the OA 2.1 validation process.
- Fixed issue where certain optical drive is not detected.
- Fixed issue where no video is displayed when certain PCIe card is installed.
- Added support for Microsoft* OEM Activation 3.0.
- Updated VBIOS to version 2119.
- Updated Intel® ME firmware to version 7.1.20.1119.
- Fixed issue where SATA optical drives do not display in BIOS if connected to a Marvell* SATA port.

About This Release:

- Date: July 15, 2011
- ME Firmware: Ignition SKU 7.1.13.1088
- Integrated Graphics Option ROM: Build 2117 PC 14.34(DH61BE, DH61CR, DH61WW, DH61SA)
- Integrated Graphics Option ROM: Build 2111 PC 14.34(DH61DL)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65 PXE 2.1 Build 089

New Fixes/Features:

- Fixed issue where there are no active and default values under Fan control & Real-time monitoring page.
- Fixed issue where there is no "Ext PCI Graphics" option listed under primary video adapter.
- Fixed issue where the value of host clock frequency still can be changed with limited or view only level.
- Fixed issue where the characters for the selected slot did not change from "=" to "X" under help illustration of the motherboard.
- Fixed issue where the information of ACPI Table is incorrect.
- Fixed issue where SMBIOS Structures for type 9 is incorrect.
- Fixed issue where system does not detect SATA 3.0 HDD when changing IDE/AHCI mode for DH61BE.
- Changed SVID 200C8086 for Marvell chip.
- Modified SATA layout SATA 0 and SATA 1 for DH61DL.
- Modified help text of item "Chipset SATA" in BIOS setup menu.
- Modified help text of item "Secondary SATA" in BIOS setup menu.
- Modified help text of item "Secondary SATA mode" in BIOS setup menu.
- Added the option for AHCI in the Secondary SATA Mode in BIOS setup menu.
- Updated processor support.
- Fixed issue where when hiding FSC Fan configuration settings through Intel® Integrator Toolkit, the respective settings are locked in BIOS instead of hidden.
- Changed the Bank Locator as "Channel A DIMM 0", "Channel A DIMM 1", "Channel B DIMM 0".

About This Release:

- May 24, 2011
- ME Firmware: Ignition SKU 7.1.13.1088
- Integrated Graphics Option ROM: Build 2111 PC 14.34(DH61BE, DH61CR, DH61WW)
- Integrated Graphics Option ROM: Build 2111 PC 14.34(DH61DL)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65 PXE 2.1 Build 089

New Fixes/Features:

- Updated Intel® ME firmware to version 7.1.13.1088.
- Updated processor support.
- Added Performance page

- Added Fast Boot function.
- Updated vBIOS to version 2111.
- Fixed issues with Intel® Desktop Utilities:
 - BIOS incorrectly calculating Tcontrol.
 - Processor temperature thresholds higher than TCC Assertion Temperature.
 - Voltage +3.3 Volt Standby in Hardware Monitor > Summary page is showing "out of range".
 - Memory Label Designation in IDU is still showing up in older format.
 - Memory Slots Designation values are incorrect.
- Fixed issue where PCIe x1 TV tuner card is not detected in x16 slot.
- Fixed issue with smart HDD function.
- Fixed issue where monitor wakes up by On-Board/PCIe/PCI LAN and RTC from S3.

BIOS Version 0020 - BEH6110H.86A.0020.2011.0218.1538

About This Release:

- February 18, 2011
- ME Firmware: Ignition SKU 7.0.3.1184
- Integrated Graphics Option ROM: Build 2098 PC 14.34(DH61BE, DH61CR, DH61WW)
- Integrated Graphics Option ROM: Build 2098 PC 14.34(DH61DL)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65 PXE 2.1 Build 089

New Fixes/Features:

- Fixed issue where mini-PCIe card does not work in the operating system.
- Fixed issue where the no video detected error beeps occur after setting primary video adaptor to Ext PCIe graphics (PEG).
- Fixed deep S4/S5 issue.
- Fixed SSID/SVID issue.
- Fixed power on -PXE boot test failure.
- Fixed issue where the system powers on automatically from S5 after plugging mini PCIe LAN card into the mini PCIe slot.
- Fixed issue where Platform Controller Hub Temperature in Intel® Desktop Utilities (IDU) shows 0 Celsius after the system wakes from sleep state.
- Fixed issue where a USB keyboard can't enter BIOS when USB port is disabled in BIOS.
- Removed Trusted Platform Module settings from BIOS for DH61DL.
- Removed PCI Latency Timer settings from BIOS for DH61DL.
- Fixed chassis intrusion functionality.
- Updated ME Firmware to version 7.0.3.1184.
- Fixed SMDXREF failure.
- Fixed information shown in IDU to match board hardware.
- Fixed issue with SMBIOS System Slot Information.
- Fixed issue where PCI device shows incorrectly in "PCI/PCIe Add-in slots" item.
- Removed RAID help text in BIOS setup menu.
- Modified max memory size 16G.
- Removed HDMI setting for DH61DL.

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- Updated vbios version for DH61DL.
- Fixed PCIE information in BIOS setup menu for DH61DL.

BIOS Version 0016 - BEH6110H.86A.0016.2011.0118.1128

About This Release:

- January 18, 2011
- ME Firmware: Ignition SKU 7.0.2.1164
- Integrated Graphics Option ROM: Build 2098 PC 14.34(DH61BE, DH61CR, DH61WW)
- Integrated Graphics Option ROM: Build 2098 PC 14.34(DH61DL)
- LAN Option ROM: Intel(R) Boot Agent PXE GE v1.3.65 PXE 2.1 Build 089

New Fixes/Features:

- Initial production BIOS release

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